

Claims

1. A method executing on a computing system for allowing a device using a Web browser unable to support CSS, to request through a network and display Web HTML pages including CSS while using all the presentation features of the included CSS that it can support through the network, said method comprising the steps of:

- receiving a request from the device for obtaining a Web HTML page;
- identifying the requesting device, aggregating all the device and network display possibility information, and suppressing the contradictory information, the network display possibilities being of the highest priority, the result forming a Request rule list;
- retrieving the requested Web page from a Web server;
- aggregating all the CSS presentation definitions of the Web page while suppressing the conflicting ones in a resulting CSS rule list;
- modifying the statements of the HTML page which are not related to CSS, reflecting the CSS rule list while taking into account the device and network possibilities as stated in the Request rule list;
- transmitting to the device the HTML page comprising the modified statements.

2. The method of claim 1 wherein the modifying step further comprises the steps of:

- creating an action list of the modifications to bring to the HTML page which are not related to CSS; and
- interpreting these actions to create the modified statements.

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3. The method of anyone of claims 1 or 2 wherein the step of aggregating all the CSS presentation definitions further comprises the steps of:

- collecting the CSS presentation definitions embedded in the retrieved HTML page;
- reading from a Web server, of which the address is provided in an HTML statement, the CSS presentation definitions stored in a CSS file stored on the Web server.

4. The method of claim 3 further comprising the step of storing on a CSS cache file, the CSS file read from the Web server.

5. The method of anyone of claims 1 to 4 further comprising a step of using the request from the device to perform added value function concerning the device activity.

6. The method of anyone of claims 1 to 5 further comprising an initial step of storing in repositories information on device capabilities, device preferences and network preferences, said repositories being read for executing the step of aggregating all the device and network display possibility information.

7. The method of anyone of claims 1 to 6 further comprising, before the transmitting step a step of suppressing in the HTML page statements all the statements which were included in the retrieved Web page and which are related to CSS.

8. A computer program product comprising programming code instructions for executing the steps of the method according to anyone of claims 1 to 7 when said program is executed on a computer.

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9. A data processing system comprising means adapted for carrying out anyone of the steps of the method according to anyone of claims 1 to 8.